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FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Keiichi TAKAGAKI et al. : Docket No. 2003\_1574A  
Serial No. 10/695,936 :  
Filed October 30, 2003 :

COMMUNICATION DEVICE,  
COMMUNICATION SYSTEM, AND  
ALGORITHM SELECTION METHOD

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or


b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☒ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at pages 2 and 3,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Keiichi TAKAGAKI et al.

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
2003\_1574ASERIAL NO.  
10/695,936LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: January 29, 2004

APPLICANT  
Keiichi TAKAGAKI et al.FILING DATE  
October 30, 2003

GROUP

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIALS | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|-----------------------|--------------------|------|------|-------|----------|-------------------------------|
| AA                    |                    |      |      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT<br>NUMBER | DATE   | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|----|--------------------|--------|---------|-------|----------|-----------------------|
| AB | 2-188782           | 7/1990 | JP      |       |          | Abstract              |
| AC | 2002-190798        | 7/2002 | JP      |       |          | Abstract              |
| AD |                    |        |         |       |          |                       |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |  |  |  |  |  |
|----|---|--|--|--|--|--|
| AE | S. Kent and R. Atkinson: "Security Architecture for the Internet Protocol", issued from Internet Engineering Task Force, RFC: 2401; November 1998   |  |  |  |  |  |
| AF | S. Kent and R. Atkinson: "IP Authentication Header", issued from Internet Engineering Task Force, RFC: 2402; November 1998  |  |  |  |  |  |
| AG | S. Kent and R. Atkinson: "IP Encapsulating Security Payload (ESP)", issued from Internet Engineering Task Force, RFC: 2406; November 1998   |  |  |  |  |  |
| AH | D. Piper: "The Internet IP Security Domain of Interpretation for ISAKMP", issued from Internet Engineering Task Force, RFC: 2407; November 1998   |  |  |  |  |  |
| AI | D. Maughan, M. Schertler, M. Schneider and J. Turner: "Internet Security Association and Key Management Protocol (ISAKMP)", issued from Internet Engineering Task Force, RFC: 2408; November 1998 |  |  |  |  |  |
| AJ | D. Harkins and D. Carrel: "The Internet Key Exchange", issued from Internet Engineering Task Force, RFC: 2409; November 1998  |  |  |  |  |  |
| AK | Uylss D. Black, translated by H. HATA and N. Matsumoto: "Internet Security Guide", first edition, issued from Pearson Education, pp. 1-14 (ISBN4-89471-455-8), November 20, 2001                  |  |  |  |  |  |
| AL | Atsuko NOMURA: "Broad-band Kakumei-Mezase! Ubiquitous network shakai", first edition, issued from Chuokeizai-sha, Inc., pp. 225-227 (ISBN4-502-57211-X), April 7, 2001                            |  |  |  |  |  |
| AM |   |  |  |  |  |  |

EXAMINER

DATE CONSIDERED